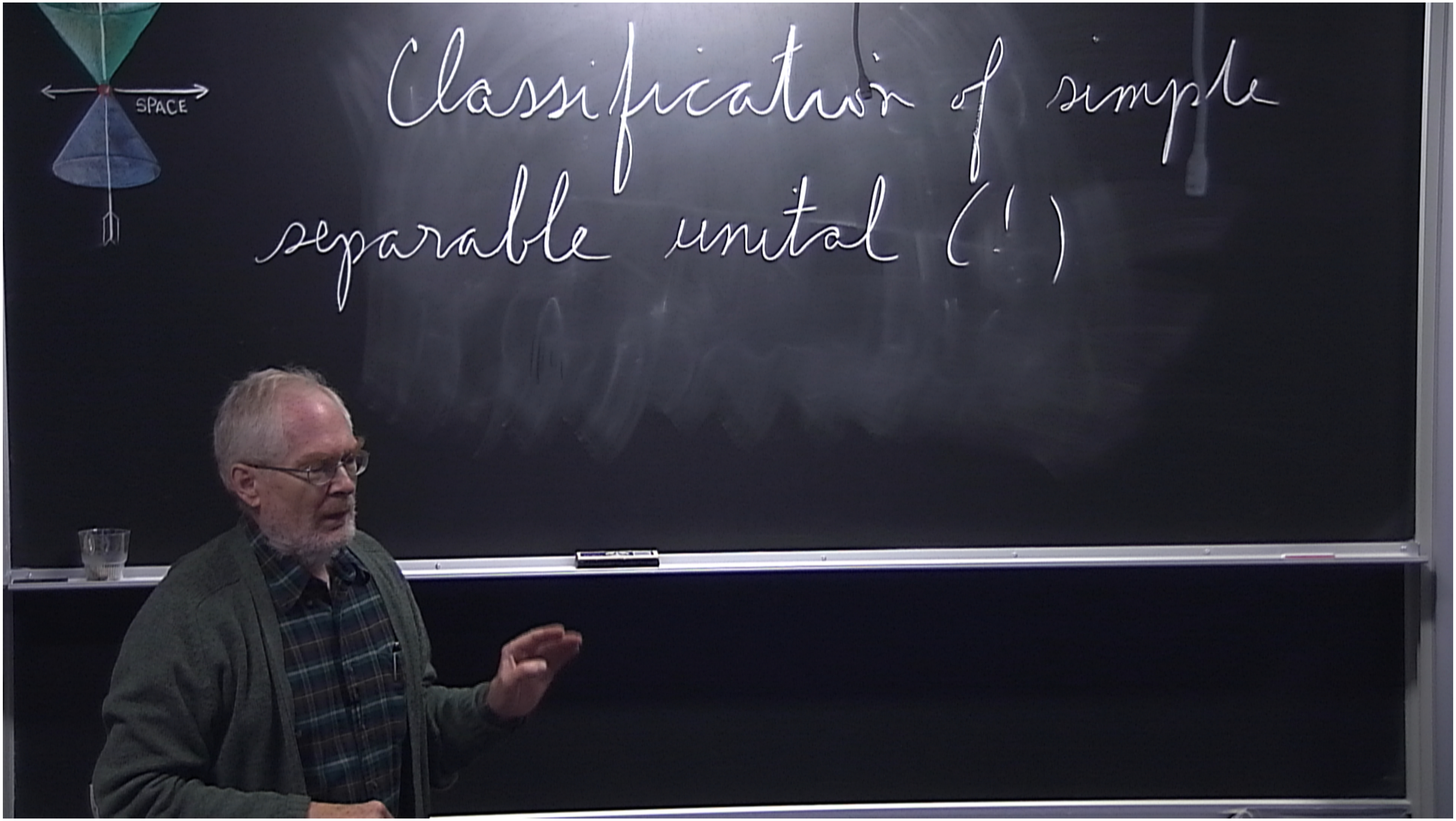
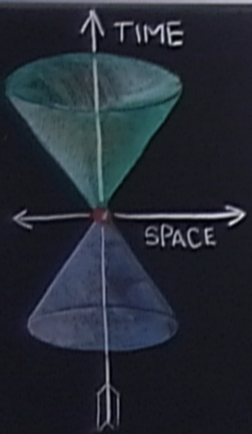
Title: The classification of well behaved simple C*-algebras

Date: Sep 12, 2015 10:30 AM

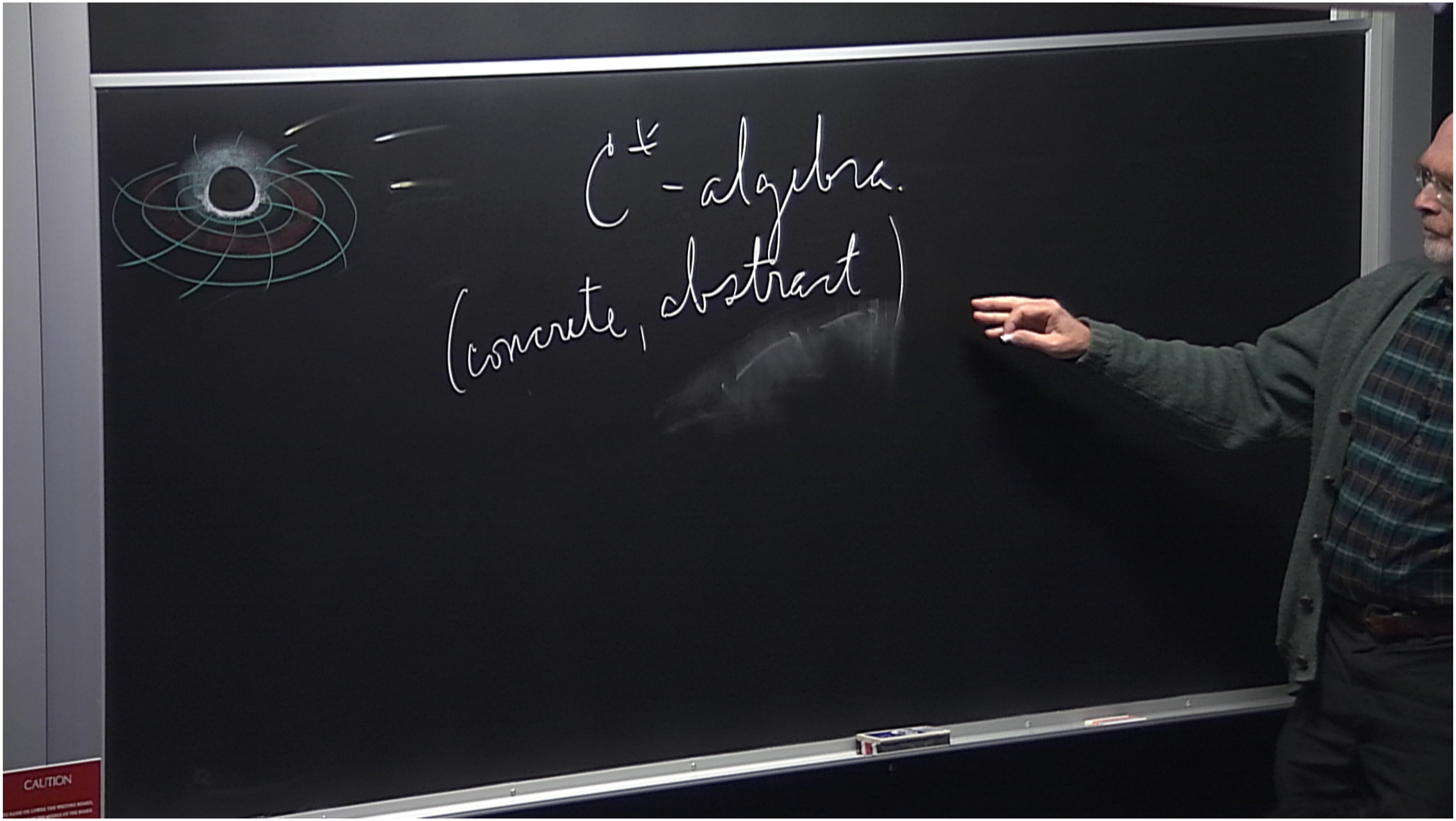
URL: http://pirsa.org/15090057

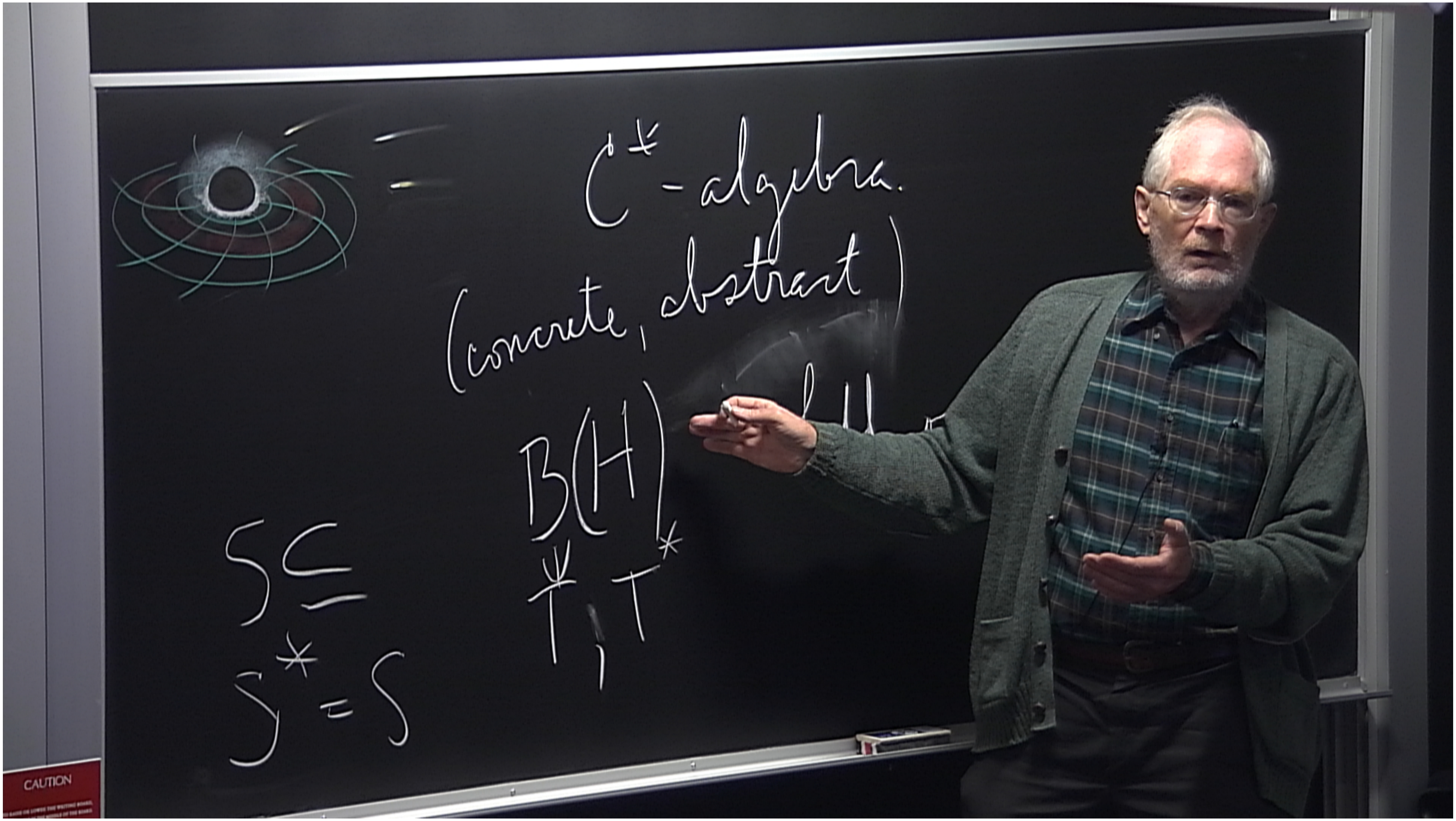
Abstract:

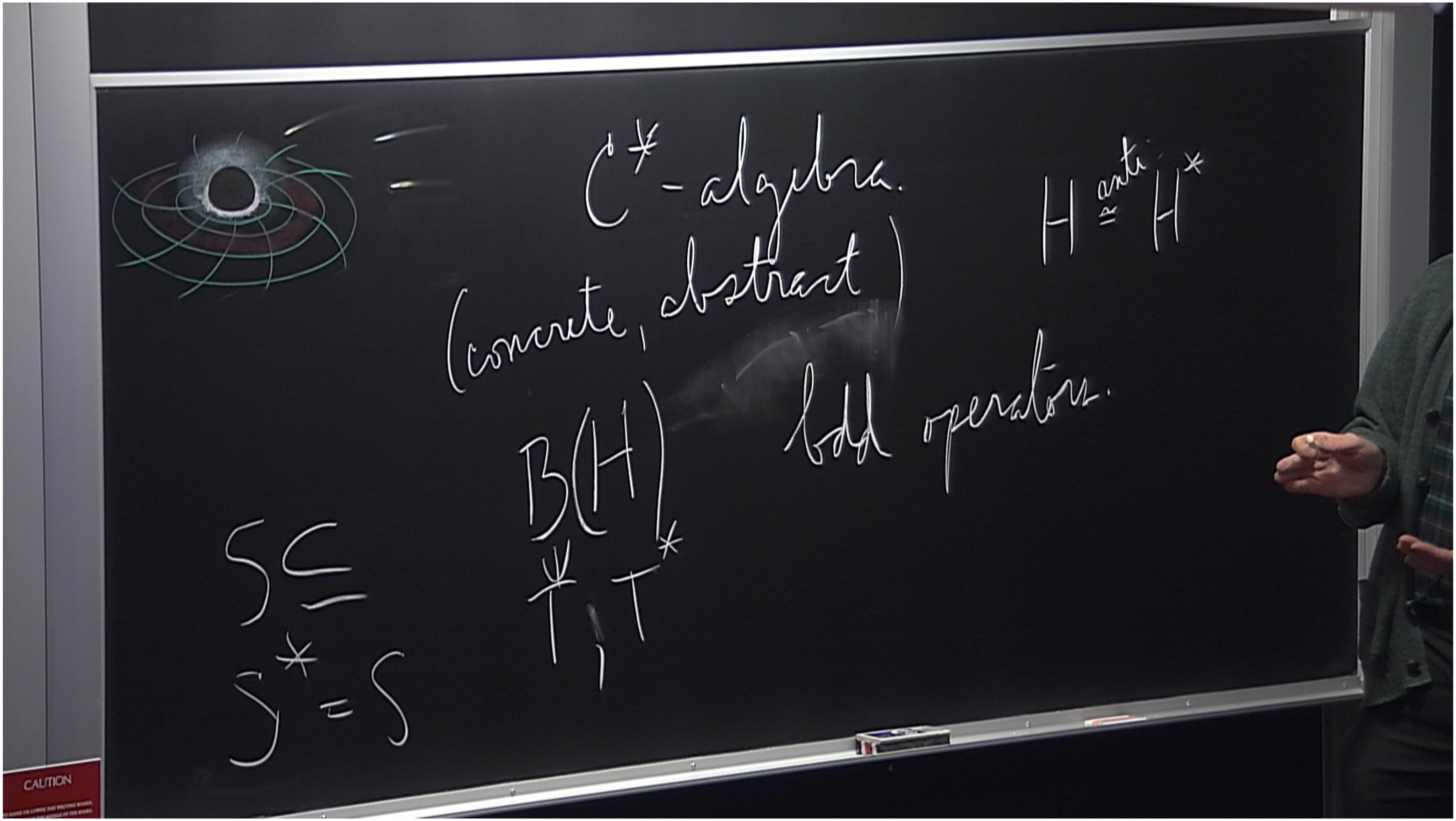

SPACE
Classification of simple
separable unital (!)

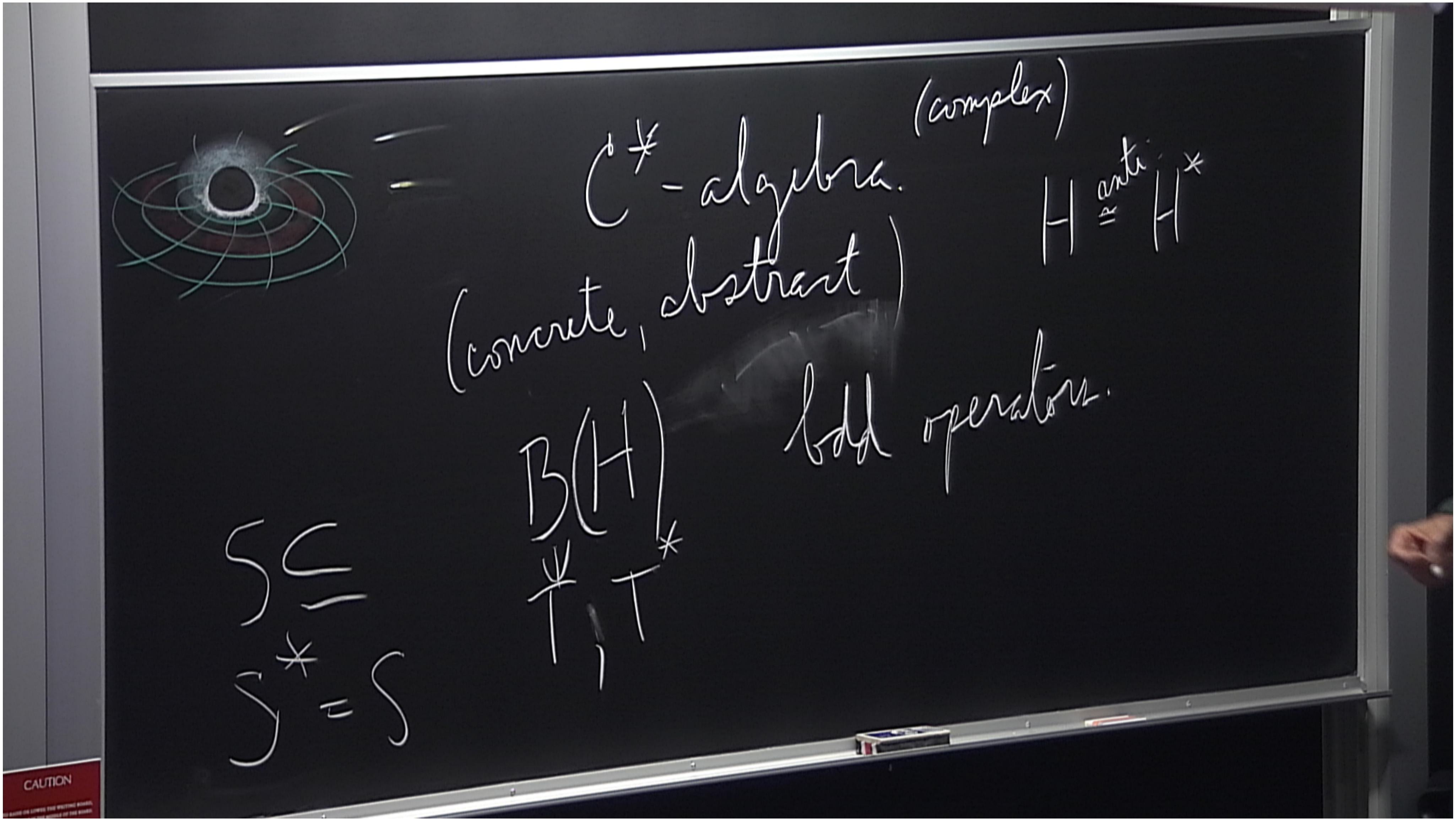


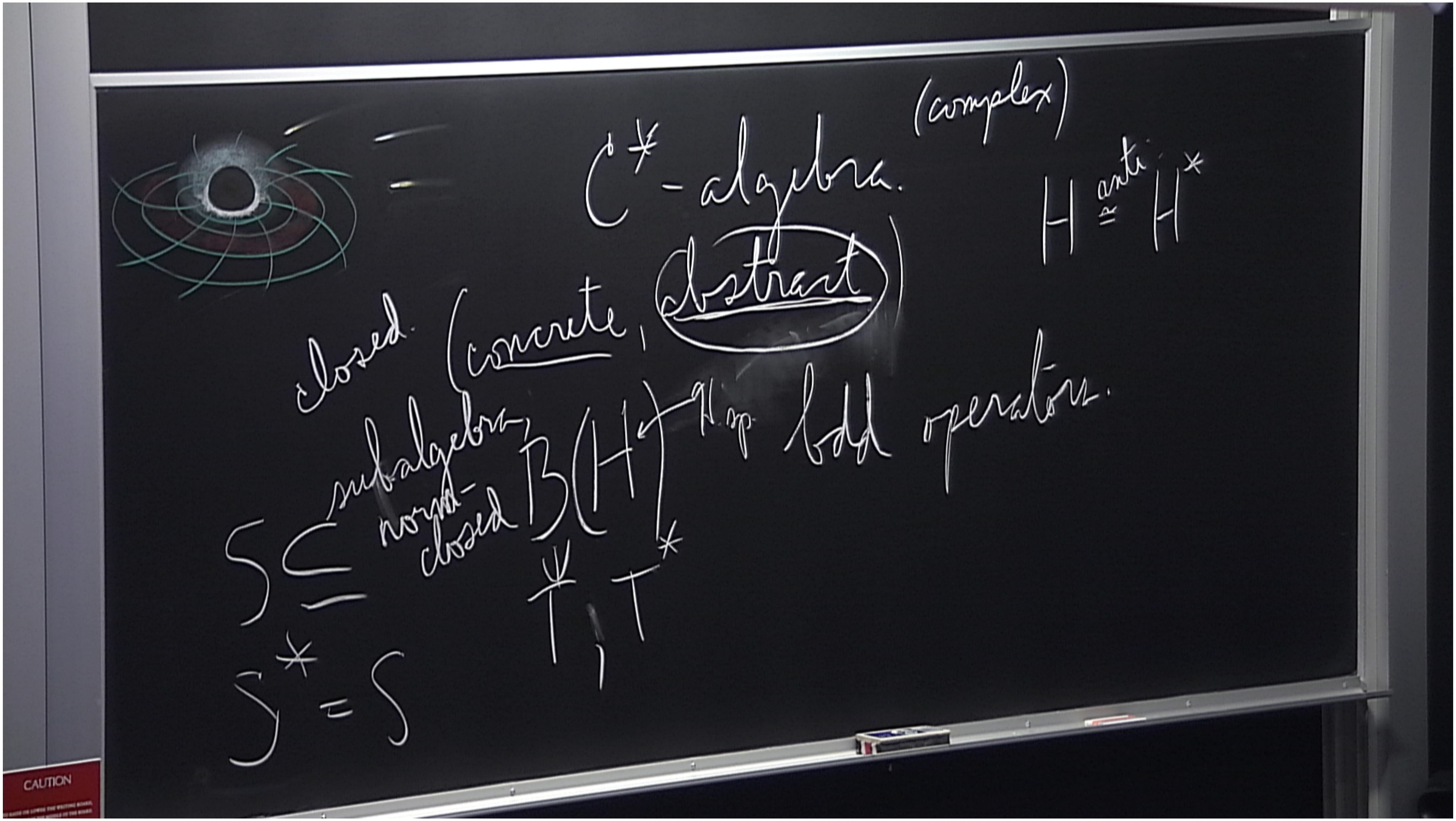
Classification of simple separable unital (!) (?) C^*-algebra with finite nuclear dimension (well behaved) holds.

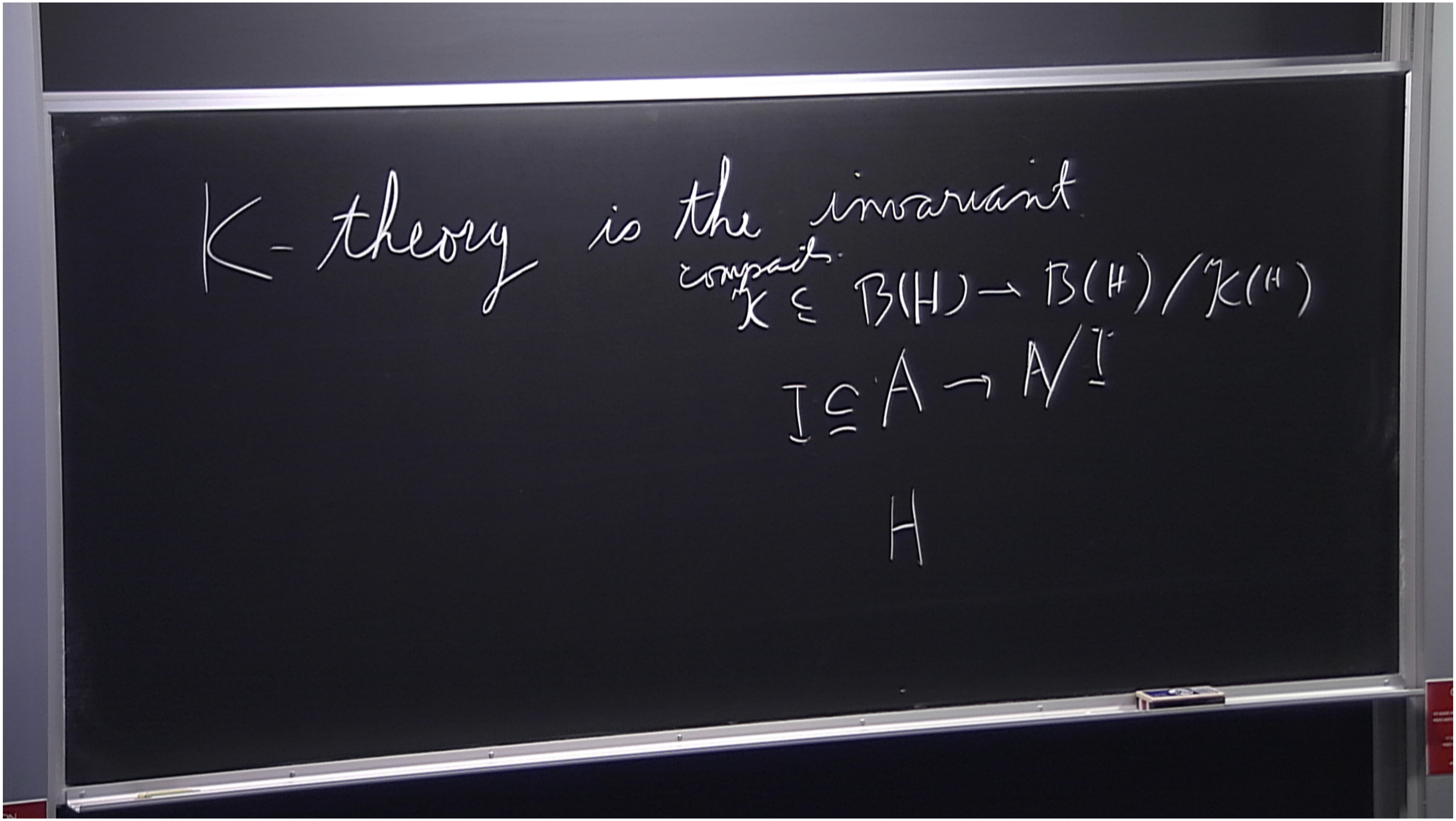

C*-algebra.
(concrete, abstract)
CAUTION

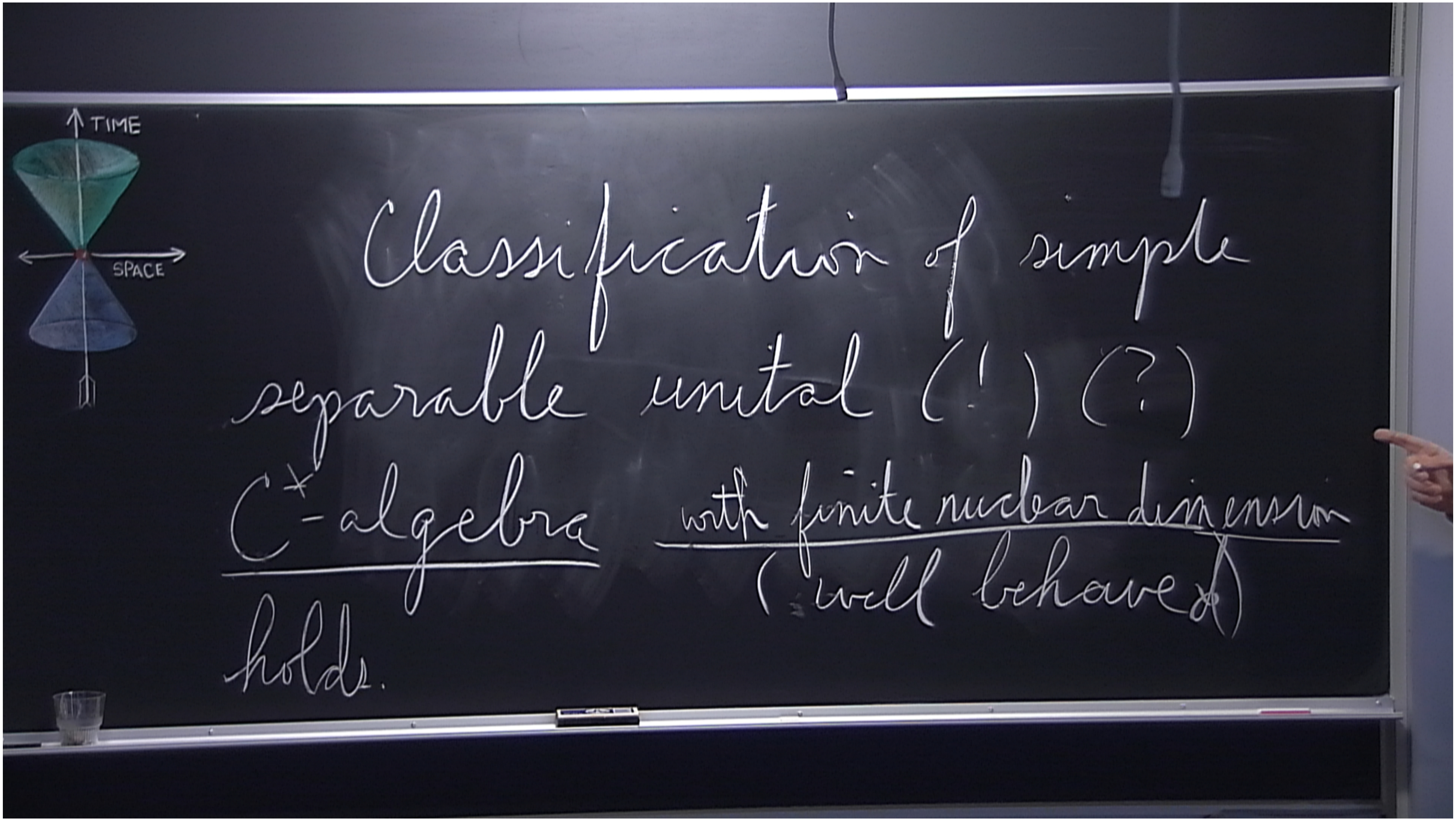

C*-algebra.
(concrete, abstract)
B(H)
T, T*
S ⊆
S* = S
CAUTION

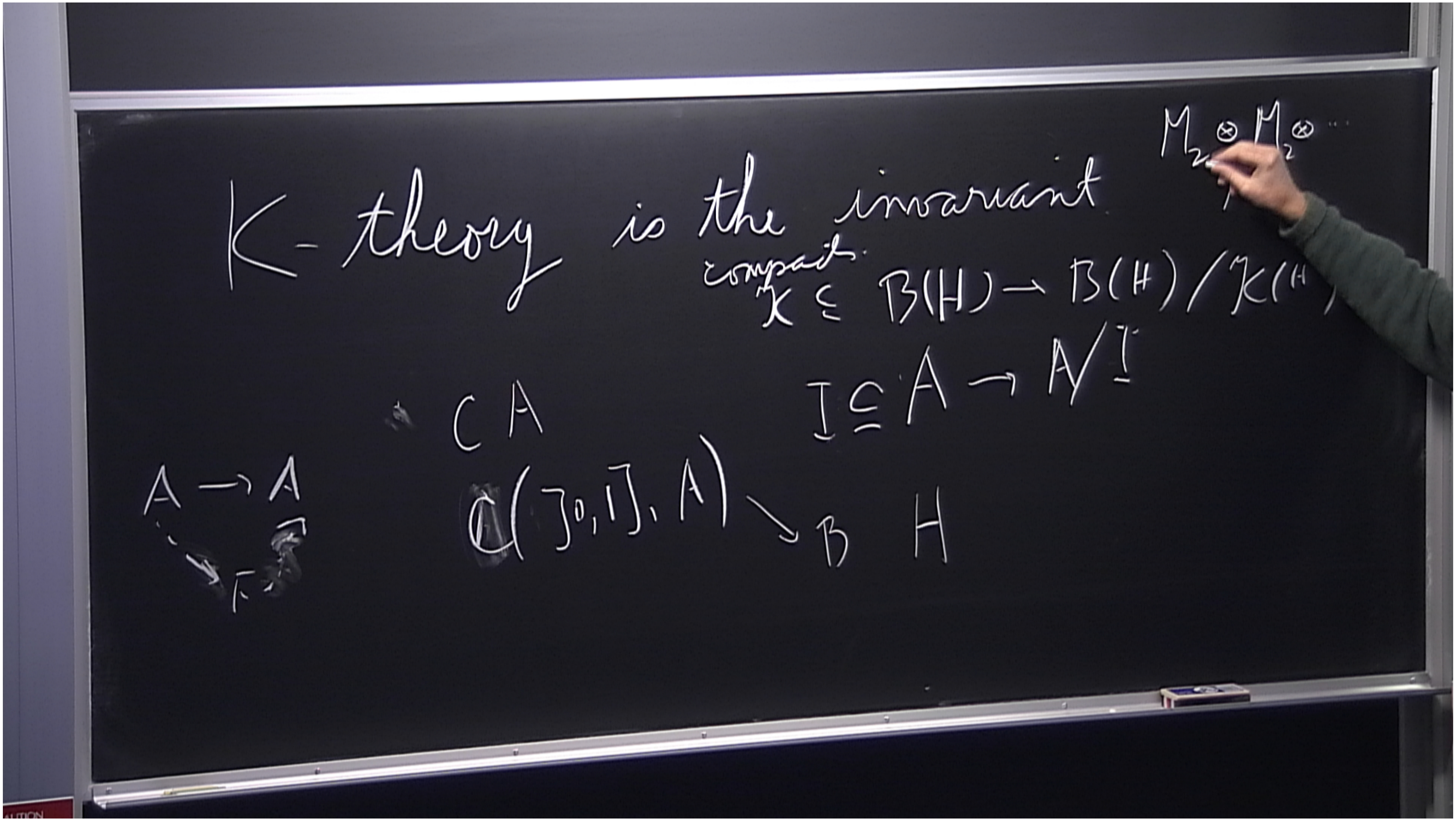

C*-algebra.
(concrete, abstract)
H ≅ anti H*
B(H) bdd operators.
S ⊆
S* = S
T, T*

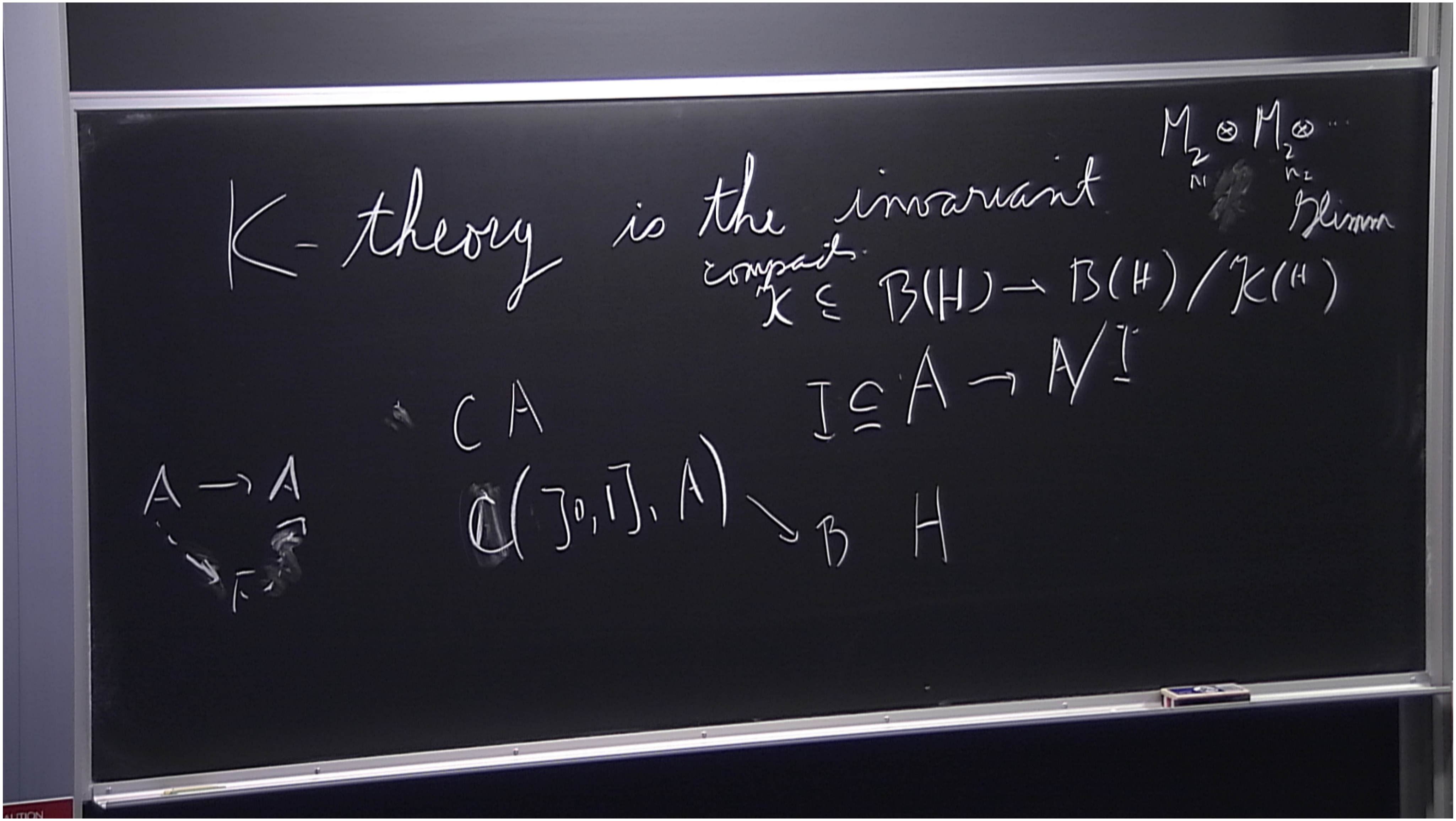

C*-algebra. (complex)
(concrete, abstract)
H ≅ anti H*
B(H) bdd operators.
S ⊆
S* = S
T*, T*
CAUTION


C*-algebra. (complex)
H ≅ anti H*
closed. (concrete, abstract)
subalgebra, norm-closed
S ⊆ B(H) H.sp. bdd operators.
T, T*
S* = S


K-theory is the invariant
compact
K ⊆ B(H) → B(H)/K(H)
I ⊆ A → A/I
H


TIME
SPACE
Classification of simple
separable unital (!) (?)
C*-algebra with finite nuclear dimension
(well behaved)
holds.


K-theory is the invariant
M2 ⊗ M2 ⊗ ...
compacts
K ⊆ B(H) → B(H)/K(H)
I ⊆ A → A/I
CA
A → A
C(]0,1], A) → B
H


K-theory is the invariant
$M_2 \otimes M_2 \otimes \cdots$
Glimm
compacts
$K \subseteq B(H) \to B(H)/K(H)$
$I \subseteq A \to A/I$
CA
$A \to A$
$C(]0,1], A) \to B$
H

AF

K_1 - countable abelian group, arbitrary